

1. User Information.....	6
1.1 Caution.....	6
2. Product Introduction .....	7
2.1 Product Overview.....	7
2.2 Package Contents.....	8
2.3 Connection .....	8
2.4 Front Panel .....	12
2.5 Back Panel .....	13
2.6 Menu Language.....	13
2.7 HDD Format.....	13
2.8 Remote Control (*S800H/S850H).....	14
3. Main Menu.....	16
3.1 Setup Menu .....	16
3.2 Music Playback.....	23
3.3 Photo Playback.....	24
3.4 Movie Playback.....	25
3.5 All Files.....	26
3.6 Net Service .....	27
3.7 Help Function .....	27
3.8 DTV Menu (S800H/S850H).....	28
4. Web Server & BitTorrent.....	33
4.1 Web Server (unicgi).....	33
4.2 Account Management.....	33
4.3 Visit Neighbor (samba) .....	33
4.4 BitTorrent Download (btpd) .....	34
5. Media Library.....	36
6. Upgrading the Firmware .....	36
7. Appendixes.....	37
7.1 Specifications.....	37
7.2 Frequently Asked Questions.....	37
8. Copyrights and Trademarks.....	39
9. Warranty .....	39
10. License information .....	39

# 1. User Information

## 1.1 Caution

This player's design and manufacture has your safety in mind. In order to safely and effectively use this player, please read the following before usage.

### 1.1.1 Usage cautions

User should not modify this player. If commercial hard disk is being used, the environmental temperature should be within +5°C and ~ + 35°C.

### 1.1.2 Power

The player's power voltage: DC 12V.

When using this player, please connect the supplied AC adapter or AC adapter cable to the player's power jack. When placing the adapter cable, make sure it can not get damaged or be subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the player in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

### 1.1.3 Radio interference/compatibility

If not properly shielded, almost all electronic devices will get radio interference. Under some conditions, your player might get interference.

The design of this player has followed the FCC/CE standard, and has followed the following rules:

- (1) This player may not cause harmful interference;
- (2) This player could accept some interference received including interference that may cause undesired operation.

### 1.1.4 Repair

If the player has a problem, you should take it to an appointed repair center and let the specialists do the repair, never repair the player yourself, you might damage the player or endanger yourself or your data.

### 1.1.5 Disposing of the player

When you dispose of the player, be sure to dispose it appropriately. Some countries may regulate disposal of electrical device, please consult with your local authority.

### 1.1.6 Hard disk cautions

The player uses an internal hard disk for data storage, in normal case, format or repair is not required.

You should carefully read the < Frequently Asked Questions > chapter, and check our website for latest information before formatting the hard disk.

Physical impact may create bad sector in the hard disk, you can use CHKDSK to fix the problem.

All data stored in the player may be lost due to physical impact, electrical shock, power lost, HDD format etc. Please backup your data.

It is suggested to do defragment after a long period of usage.

Regularly backup the data in the hard disk so that it can be recovered in the event of data corruption or loss. Our company takes no responsibility for loss of data stored on the hard disk.

### 1.1.7 Others

When using this player, please do not let the player come into contact with water or other liquid, if water is accidentally spilled on the player, please use a dry cloth to absorb the spillage.

Electronic products are vulnerable, when using please avoid shaking or hitting the player, and do not press the buttons too hard.

Do not let the player come into contact with water or other liquid.

Do not disassemble the player, repair the player or change the design of the player, any damage done will not be included in the repair policy.

Do not press the buttons of the player too hard.

Avoid hitting the player with hard object, avoid shaking the player, and stay away from magnetic fields.

During electrostatic discharge and the strong electromagnetic field, the product will malfunction, then unplug the power cable and the product will return to normal performance next time it is powered on.

### 2.1 Product Overview

Thank you very much for purchasing the Movie Cube. In the digital era, this product is a great home entertainment partner. With the outstanding design, you can enjoy Full HD movies and music, view photos of precious moments, and record your favorite TV or movie programs and view them in your own time. The editing function provides you with an easy way to save these. It's easy to use this product as a portable external storage device with its built-in HDD and high-speed USB 2.0.

#### Network Feature

- A/V streaming/transmission via Ethernet (10M/100M) & Wi-Fi (802.11b/g/n, optional)
- File sharing via Samba server
- A/V streaming via UPnP Media Server
- BitTorrent download (controlled and managed via web server)
- Internet Radio

#### USB 2.0 Support

- USB DEVICE port (for computer connection)
- USB HOST port x 2 (for USB storage devices)

#### Navigation Options Include

- Search: search by genre, album, date, folder, recent, playlist and artist.
- Media Library: lets you view all your media files in one menu regardless of its location in folders or drives. You can filter by categories such as genre, artist, album and so on.

#### Photo Viewing

- You can view photos in slide show mode with background music.
- Zoom in/out, Rotate
- Photo format: HD JPEG/BMP/GIF/TIF/PNG

#### Movie Playback

- Fast forward/rewind
- View subtitle
- Supports major audio formats (1080p HD video decoding)
- Movie format: AVI/MKV/TS/TP/TRP/M2TS/MPG/MP4/M4V/MOV/VOB/ISO/IFO/DAT/WMV/ASF/RM/RMVB/FLV

#### Music Playback

- Fast forward/rewind
- Shuffle
- Repeat
- Music format: MP3/OGG/WMA/WAV/FLAC

#### DVB-T TV

- Supports Digital Video Broadcasting Terrestrial (DVB-T) TV reception
- Supports double-tuner, allows to watch other programs while recording another one
- Supports Electronic Program Guide (EPG), Teletext and subtitle
- Supports the loop out of DVB-T signal received from Aerial.

#### Video Recording

- Supports one button recording and scheduled recording, can easily record programs from DVB-T TV, DVD player, DV, etc., and save in MPEG-2 (.mpg, or .ts) format
- Supports time shifting function

#### File Copy

- Supports copying & moving files among USB, HDD, and Network

#### Note:

All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

## 2.2 Package Contents

Part	Quantity
Player	1
A/V cable	1
YUV cable	1
USB cable	1
Remote Control	1
AC/DC adaptor	1
Power cord	1
User Manual	1
Quick Installation Guide	1
CD (with User Manual)	1
Warranty Card	1
SCART out adapter	1

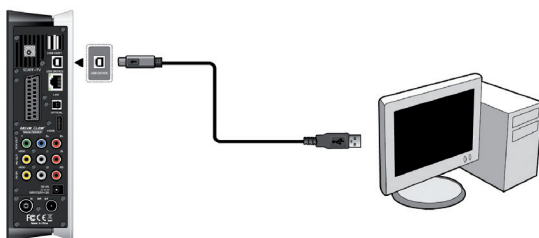
### Note:

The actual contents in the package might be different from the packing list in this manual.

## 2.3 Connection

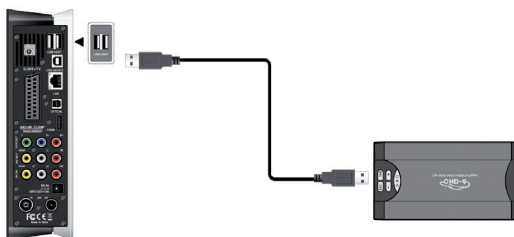
### 2.3.1 Connect to Computer

- (1) Make sure the player is powered on;
- (2) Plug in the squarish connector of the USB cable to this player's USB DEVICE port;
- (3) Plug in the rectangular connector of the USB cable to computer.



### 2.3.2 USB Mass Storage Device (like USB stick, MP3, USB HDD etc.) Connection

- (1) Make sure the player is powered on;
- (2) Plug in the USB stick or USB HDD etc. to one of the USB host ports of this player.



### Removing a USB Device

In order to prevent data loss, it is highly recommended you press EJECT button on the remote control before remove a USB device.

To remove a USB Device:

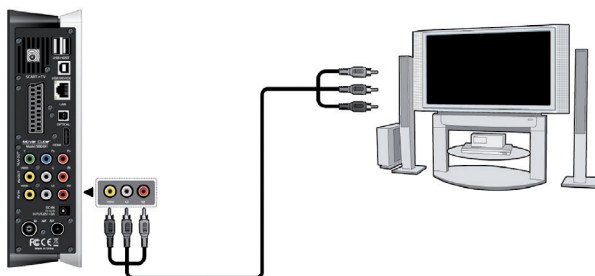
1. Press EJECT button on the remote control
2. Select the USB device you want to remove
3. Press ENTER button on the remote control to remove USB device.



## 2.3.3 TV connection

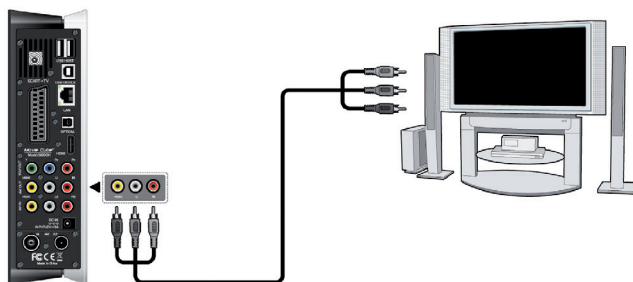
### 2.3.3.1 A/V IN

- (1) Follow the picture and plug in the 3 color connector to the player's A/V IN jack;
  - (2) Follow the picture and plug in the 3 color connector to the A/V OUT jack of the TV/IPTV Set-Top Box (STB).
- In this way, you can record TV programs from the TV/IPTV Set-Top Box.



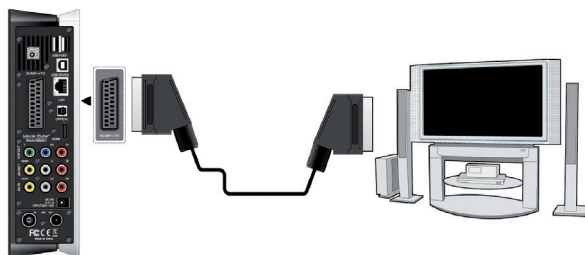
### 2.3.3.2 A/V OUT

- (1) Follow the picture and plug in the 3 color connector to the player's A/V OUT jack;
  - (2) Follow the picture and plug in the 3 color connector to the TV's A/V IN jack.
- In this way, you can enjoy the content in the player on TV or other display devices.



### 2.3.3.3 SCART OUT

- (1) Follow the picture and plug one connector on the SCART cable to the player's SCART socket;
- (2) Follow the picture and plug the other connector on the SCART cable to the TV's SCART socket.



### 2.3.3.4 Y/Pb/Pr Component OUT

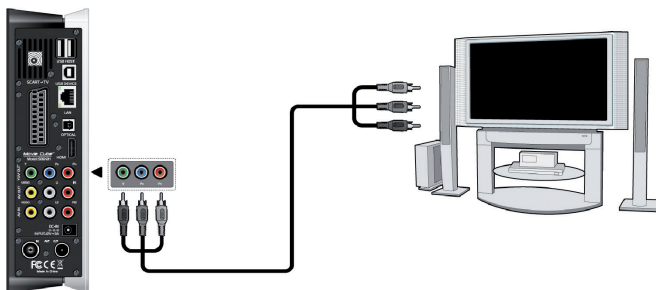
(1) Follow the picture and plug in the 3 color connector to the player's Y/Pb/Pr jack;

(2) Follow the picture and plug in the 3 color connector to the TV's Y/Pb/Pr jack.

Audio Connection while using Y/Pb/Pr Video out:

First method: use the audio output from the A/V OUT jack;

Second method: use the audio output from the S/PDIF Coaxial or Optical jack.

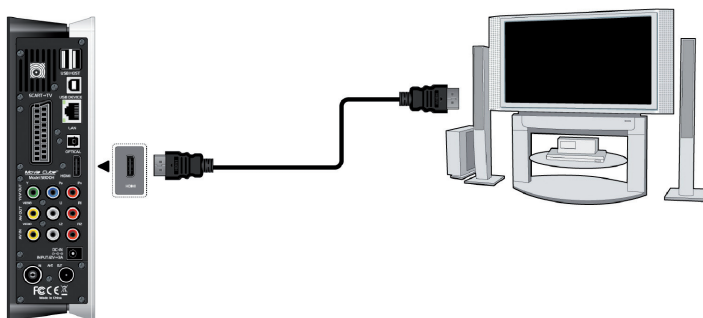


In this way, you can also enjoy videos, music, and photos in the player on TV.

### 2.3.3.5 HDMI OUT

(1) Follow the picture and plug one connector on your HDMI cable to the player's HDMI jack;

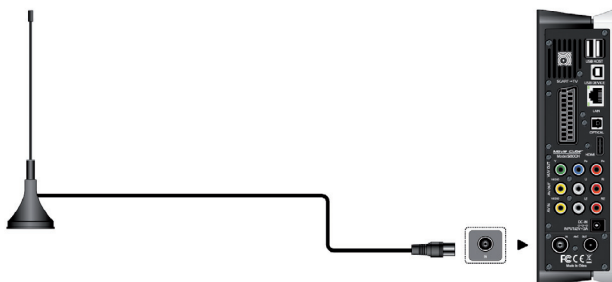
(2) Follow the picture and plug the other connector on your HDMI cable to the TV's HDMI jack.



In this way, you can have the highest quality video and audio via a single cable.

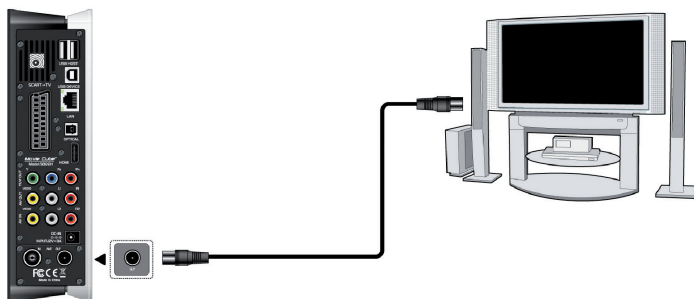
### 2.3.3.6 ANT. / RF IN (S800H/S850H)

Follow the picture and plug a TV Aerial or analog TV cable to the ANT. / RF IN socket;



### 2.3.3.7 ANT. / RF OUT (S800H/S850H)

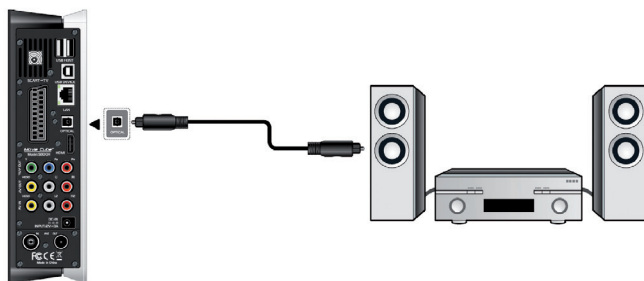
- (1) Make sure the player is connecting to power supply;
- (2) Make sure a TV Aerial is connecting to the ANT. / RF IN socket;
- (3) Follow the picture and plug a TV cable to the ANT. / RF OUT socket then plug the cable to a TV or other TV receiver.



The player can loop out the DVB-T signal to other TV receiver device. In this way, you can watch the TV programs with another TV receiver while recording

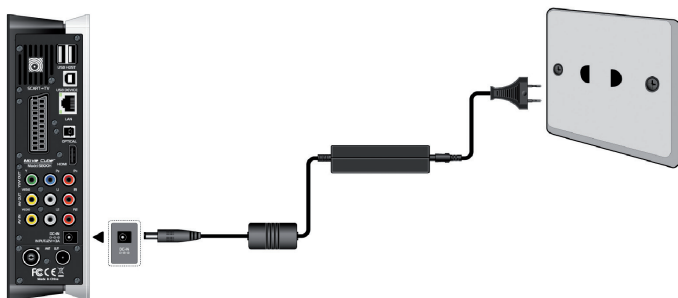
### 2.3.4 Digital Audio Device connection

- (1) Follow the picture and plug in the RCA connector on your coaxial cable to the player's S/PDIF Coaxial jack. Or if you use optical fiber, please plug in the Toslink connector on your optical fiber to the player's S/PDIF Optical jack;(not supplied)
- (2) Follow the picture and plug in the other connector on your coaxial cable or optical fiber to the digital audio device.(not supplied)



### 2.3.5 Power connection

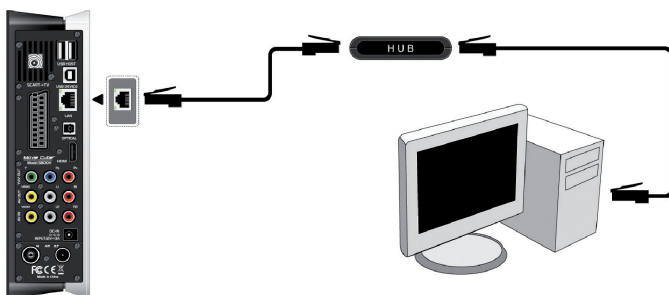
- (1) Follow the picture and connect the AC adaptor to the player's DC IN jack;
- (2) Follow the picture and plug in the AC adaptor to the power outlet.



### 2.3.6 Ethernet connection

To connect to a LAN (Local Area Network) you require a cat5, cat5e or cat6 network cable (not supplied).

- (1) Connect one of the crystal plugs on the cable to the player's RJ45 LAN socket;
- (2) Connect the other crystal plug on the cable to a RJ45 LAN port on your router, switch, or hub devices.



### 2.3.7 WLAN connection

- (1) Make sure the player is powered on;
- (2) Plug the Wireless LAN USB Adapter (i.e. Wi-Fi USB Dongle) to the USB HOST port of the player.

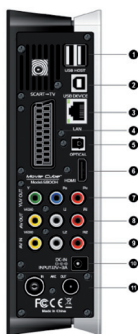


## 2.4 Front Panel

1. LCD screen
2. Infrared receiver window
3. Indicator
4. POWER / STANDBY button



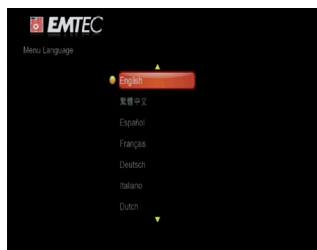
## 2.5 Back Panel



- |                        |   |
|------------------------|---|
| 1. USB Host port x2    | 7. Y/Pb/Pr OUT jack                           |
| 2. USB DEVICE port     | 8. A/V OUT jack                               |
| 3. RJ45 LAN socket     | 9. AV IN jack                                 |
| 4. SCART - TV socket   | 10. DC-IN jack                                |
| 5. S/PDIF OPTICAL jack | 11. ANT. / RF IN and OUT socket (S800H/S850H) |
| 6. HDMI jack           |   |

## 2.6 Menu Language

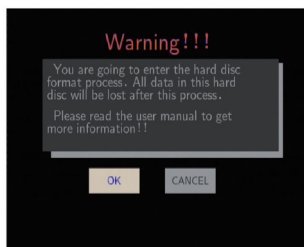
The system language of this player can be set to English or other languages. Change the language you wish in the setup menu, the selected language will take effect immediately.



## 2.7 HDD Format

For users who wish to install a new SATA HDD into the player, please refer to the following procedures to format the hard disk on the player before usage.

Step 1: Select OK on the Warning page, press ENTER to confirm.

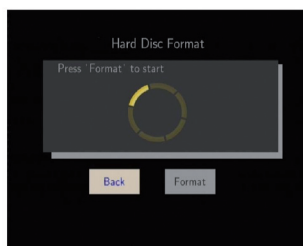


### Note:

This page can be also accessed via Setup->System->HDD Format menu.

Step 2: Press the up / down button to adjust the capacity of time shift buffer.  
Press the left / right button to select Next, and the enter button to confirm.

Step 3: Select Format, press ENTER, and then hard disk format will start.



The formatting procedure will be finished within a few minutes. And then you can use the hard disk properly on the player.

#### Note:


HDD format will remove all data stored on the hard disk drive. Please take care and backup your data in advance!

## 2.8 Remote Control (\*S800H/S850H)



1. MUTE	15. PLAY	29. SLOW
2. OPTION	16. FR	30. NEXT
3. SETUP	17. FF	31. PREV
4. INFO	18. A-B	32. STOP
5. SEARCH	19. REC.	33. EJECT
6. HOME	20. TIME SHIFT	34. VOL+
7. UP	21. COPY	35. RIGHT
8. LEFT	22. RED	36. RETURN
9. OK	23. GREEN	37. AUDIO
10. DOWN	24. YELLOW	38. ZOOM
11. VOL-	25. BLUE	39. 
12. Numeric buttons	26. REPEAT	40. TV SYS.
13. HELP	27. SELECT	41. POWER
14. PAUSE	28. SUBTITLE	

No.	Button	Function
1	MUTE	Press to mute audio output, and press again to resume.
2	OPTION	Press to add the file to Playlist and press to display or hide the information bar during playback.
3	SETUP	Press to enter the setup menu.
4	INFO	Press to display current status. Press during playback and an onscreen display appears, showing track number and time elapsed/remaining. Press during recording and an onscreen display appears, showing the recording quality setting and time elapsed. Press during live TV and an onscreen display appears, showing the current channel number and time. Press during time shifting to turn the time shifting bar on/off
5	SEARCH	Filter the current folder to locate the specific media file. Does not search subfolder; Press to jump to a specific point on a title. Specify the point using Title, Chapter and Time.
6	HOME	Press to enter the home screen.
7	UP	Navigational button. Press the arrow buttons to select menu options.
8	LEFT	Navigational button. Press the arrow buttons to select menu options.
9	OK	Press OK button to confirm.
10	DOWN	Navigational button. Press the arrow buttons to select menu options.
11	VOL-	Press to decrease the volume.
12	Numeric buttons	Press to enter channel numbers or numeric input when changing settings.
13	HELP	Help Button. Press to get information guide.
14	PAUSE	Press to pause the current playback. Press again to step to the next frame.

- 15 PLAY Press to begin playback
- 16 FR Press to fast rewind the current playback. Press repeatedly to select speeds
- 17 FF Press to fast forward the current playback. Press repeatedly to select speeds.
- 18 A-B Press to set the beginning and end points of a section to repeat
- 19 REC. Press to begin recording or to resume when recording has been paused. Press repeatedly to set one touch recording (OTR) length (30 MIN. / 60 MIN. / 90 MIN. / 120 MIN. / 180 MIN. / 240 MIN. / Off).
- 20 TIME SHIFT While in the DVB-T / Analog TV or A/V IN mode, press to activate the time shift function, which allows you to pause live TV and resume the program from the point you left it. While paused, the program is recorded to the internal HDD as long as the space is available.  
Press to activate the time shift function and wait for the play arrow to appear on the screen.  
Press the PAUSE button and the program will be paused.  
Press the PLAY button to resume viewing the program.  
Time shift mode remains active until you press the STOP button or the TIME SHIFT button again.
- 21 COPY Press to enter the file copy menu.
- 22 RED \* Press to add/delete schedule recording in EPG menu.
- 23 GREEN(EPG) \* Press to enter the Electronic Program Guide which displays an on-screen list of programs for the coming week when watching Digital Terrestrial TV.
- 24 YELLOW(TTX) \* Press to open Teletext OSD if it is available in the broadcasted stream of Digital Terrestrial TV.
- 25 BLUE \* Press to activate sort function in channel set in TV setup menu.
- 26 REPEAT Press to set repeat option.
- 27 SELECT Press to select files in browser and file copy menu.
- 28 SUBTITLE Press to set subtitle options. You can change the color/size/offset/text encoding of subtitle.
- 29 SLOW Press to play back in slow motion. Press the PLAY button to resume regular playback.
- 30 NEXT Press to view the next file / page down.
- 31 PREV Press to view the previous file / page up.
- 32 STOP Press to stop playback.
- 33 EJECT Press to safely remove the USB device.
- 34 VOL+ Press to increase the volume.
- 35 RIGHT Navigational button. Press the arrow buttons to select menu options.
- 36 RETURN Press to return to the previous screen while navigating menus.
- 37 AUDIO Press to select an audio track.
- 38 ZOOM Press to zoom in/out the image (photo or video).
- 39  Press to go to movie/music/photo playlist
- 40 TV SYS. Press to switch between NTSC, PAL, 480P, 576P, 720P, 1080I, and 1080P.
- 41 POWER Press to enter standby mode or wake up.

#### 3.1 Setup Menu

The Setup menu allows you to personalize and configure the preferences for your player.  
To select a Setup option:

- Select the Setup icon on the home screen
- Use the UP/DOWN navigational buttons to select an option, and then press ENTER.



There are nine Setup options, including TV, Audio, Video, Photo, REC, Network, System, MISC and Media Library. Use the UP/DOWN navigational buttons to select a menu. Press ENTER to confirm. Press RETURN to cancel and display the previous menu screen.

##### 3.1.1 Changing DVB-T TV settings (S800H/S850H)

- TV Region** Select to set the region for Digital Terrestrial TV.  
Press the up / down button to select, and the enter button to confirm.



- Channel Scan** Select to scan for available Digital Terrestrial TV channels.



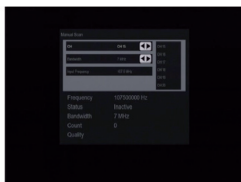
Press the up / down button to select from AUTO SCAN and MANUAL SCAN, and press the enter button to confirm.

##### AUTO SCAN



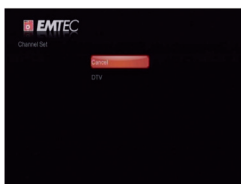
In AUTO SCAN mode, the system will automatically scan for available DVB-T TV channels.





In MANUAL SCAN mode, you can select the CH name, Bandwidth, and Input Frequency. Use the navigational and numerical buttons on the remote control to select or input. Press the enter button to confirm.

#### Channel Set

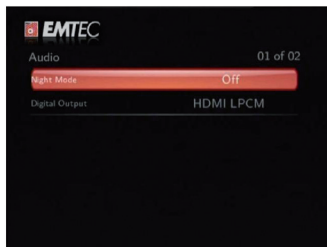


Press the up / down button to select DVB-T, and press the enter button to confirm.



In this menu, you can edit the Name, and sequence for the DVB-T TV channels. Use the navigational buttons to select and modify the settings, and press the enter button to confirm.

### 3.1.2 Changing Audio Settings



Use this menu to configure audio settings

#### Night Mode

Choose between Off / On / Comfort. If the option is turned on, the audio output volume will be decreased to make you more comfortable.

#### Digital Output

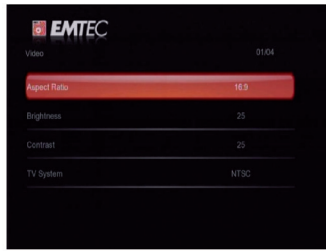
Select to set Digital Output (S/PDIF) mode.

#### Note:

In raw mode, Dolby Digital, DTS, or MPEG sound can be bypassed to the HDMI TV or Digital amplifier.

### 3.1.3 Changing Video Settings

Use this menu to configure video settings.



#### Aspect Ratio

Pan Scan 4:3: Display a wide picture on the entire screen and cuts off the redundant portions. Select when a standard 4:3 TV is connected.

Letter Box 4:3: Display a wide picture with two black borders on the top and bottom of 4:3 screen. Select when a standard 4:3 TV is connected.

16:9: Compress the image to convert the whole image. Select when a 16:9 TV is connected.

#### Brightness

Adjust the level of brightness.

#### Contrast

Adjust the level of contrast.

#### TV SYSTEM

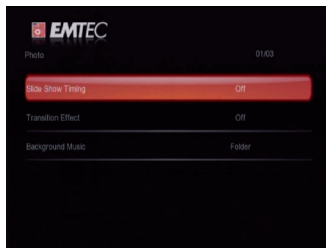
Select to adjust TV Type and video output resolution. This setting depends on your regional location. Include: NTSC - United States, Canada, Japan, Mexico, the Philippines, South Korea, and Taiwan.

PAL - Europe, Greenland, parts of Africa and South America, the Mideast, China, India, Australia, and Indonesia.

Resolution - video output resolution

### 3.1.4 Changing Photo Settings

Use this menu to configure photo settings



#### Slide Show Timing

Select to set the interval time for photo slide show.

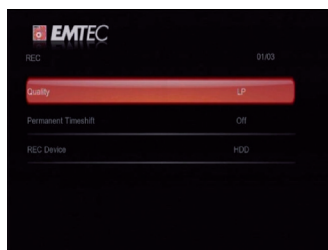
#### Transition Effect

Select to set the transition effect for photo slide show.

#### Background Music

Select to set the background music options while view pictures.

### 3.1.5 Changing REC settings



#### Quality

Select the recording quality. Choose from HQ, SLP, EP, LP and SP

#### Permanent Timeshift

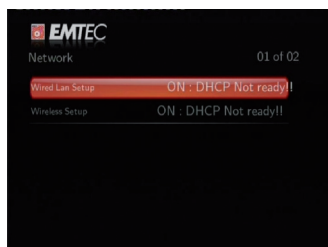
Select to set Time Shift mode. If On, the time shift will start automatically while in Video In mode.

#### Rec Device

Select to set device to restore the recorded files.

### 3.1.6 Changing Network Settings

Use this menu to configure Ethernet and WLAN (Wireless Local Area Network) settings.



#### Wired LAN Setup

##### DHCP IP (AUTO)

Select to obtain IP address automatically.

##### FIX IP (MANUAL)

Select to manually input the IP Address, Subnet Mask, Default Gateway, and DNS Server IP Address.

#### Wireless Setup

Selecting a connection profile



This player can store up to three wireless network connections. Press ENTER to go to next step, press RETURN to cancel, and press PLAY to connect.



Choose between Infrastructure (AP) and Peer to Peer (Ad Hoc). Press ENTER to go to next step, and press RETURN to cancel.

Infrastructure (AP)

Infrastructure mode is used to connect computers with wireless network adapters, also known as wireless clients, to an existing wired network with the help from wireless router or access point.

Get SSID Name



Press ENTER to go to next step, press RETURN to cancel, and press OPTION to refresh the SSID list.

Note:

In the Security list, WEP (Wired Equivalent Privacy) and WPA (Wi-Fi Protected Access) means the network is encrypted, i.e. an encryption key is needed to access the network. NONE means it is an open system network.

Input WEP / WPA Key



Encryption keys can be inputted via the virtual keyboard. Press the navigational buttons to select, ENTER to input, CAPS to switch between uppercase and lowercase, <- to delete a character, -> to insert a space, shift to make more symbols available, and OK to confirm.



The testing process will take for a while, please be patient to wait. If the test is ok, the network information (Profile Name, IP address, Subnet Mask, Gateway, etc.) will be displayed on the screen.

### Peer to Peer (Ad Hoc)

Peer to Peer mode, which is also called Ad Hoc mode or computer-to-computer mode, is used to connect wireless clients directly together, without the need for a wireless router or access point.

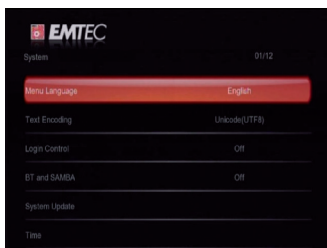
### Ad-Hoc Setup



Press ENTER to go to next step, press RETURN to cancel, and press PLAY to connect.

### 3.1.7 Changing System Settings

Use this menu to configure system settings.



#### Menu Language

Select to choose the OSD (On-Screen Display) language.

#### Text Encoding

Select to set the text encoding option (subtitle display)

#### Login Control

Select to turn on / off password protect for the Web server (Neighbor Web).

#### Note:

- 1)The default user name is 'admin', and the default password is '123';
- 2)When it is turned off, and then turned on again, the password will be restored to default.

## BT and SAMBA

Select on/off to control the BitTorrent, samba and Web server services.

## System Info

This tab gives you information about the software installed and about the material components of your player.

## System Update

Select to update the firmware or extension package via a USB stick.

1) Copy 'install.img' or extension files to the root directory of a USB stick, and connect it to the USB HOST port of the player.

2) Press ENTER to confirm.

Extension Package Upgrade

Select to upgrade the extension packages (btspd, samba, unicgj, etc.)

System Upgrade

Select to upgrade the firmware. (Configuration and settings will be reserved)

System Reinstall

Select to reinstall the firmware completely (All settings will be lost).

## Time

Select to set the system time.

## Parental Control

Select to set the TV parental control options. A password will be needed for the modification. The default one is '0000'. Press the numerical buttons to input, and the enter button to confirm.

## HDD Format

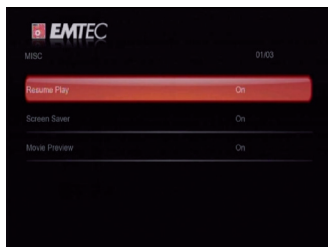
Select to format the HDD.

## Restore Default

Select to restore factory defaults.

## 3.1.8 Miscellaneous

Use this menu to adjust miscellaneous settings.



### Resume Play

Select to turn on / off resume playback (auto-bookmarking) feature for movies.

### Screen Saver

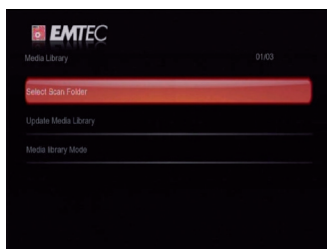
Select to turn on / off screen saver.

### Movie Preview

Select to turn on / off movie preview in the browser menu.

### 3.1.9 Changing Media library Settings

Use this menu to set the scan folder, update media library and media library mode.



#### Select Scan Folder

Select the scan folders from HDD or external USB device.

#### Update Media Library

Press to update media library.

#### Media library Mode

Press to select media library mode. You can set off/auto/manual mode from USB/HDD. Off: When you set off mode, system will turn off media library and won't scan media library.

Auto: When you set auto mode, system will update media library after you turn on the player.

Manual: When you set manual mode, you need enter into Update Media library and select update by manual.

#### Note:

System only scan the folders what you have selected. System default to scan all of the folders. It will take some time to scan all of the folders.

## 3.2 Music Playback

Enter music interface, only supported audio files and folder will be displayed. This player supports MP3, WMA, and OGG audio files.



You can navigate using a filter option (Date, Folder, Recent, Playlist, All music, Artist, Genre, or Album) by selecting the Music icon and using UP and DOWN button to scroll through the options listed.

### 3.2.1 Music Playback Control

Button	Function
PLAY/PAUSE	Begin/Pause playback.
FR / FF	Fast rewind or fast forward. Press repeatedly to select the speed.
PREV / NEXT	View the previous or next movie.
SEARCH	Search for a music file.
OPTION	Hide or display the Music toolbar during playback.
VOL+/-	Increase/Decrease the volume.

3.2.2 Music Playback Options

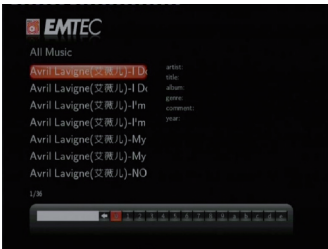
During music playback, press OPTION button. The music toolbar opens at the bottom of the screen.



The music toolbar has several command icons to customize the way you play music. The functions from left to right are repeat, shuffle mode, info.

3.2.3 Quick-Search

You can search for a media file by filter current folder to locate the specific media file. Press SEARCH button while browsing music files in the music library.



3.3 Photo Playback

Enter into photo interface, only supported image files and folder will be displayed. This player supports JPG/JPEG/BMP/files.

You can navigate using a filter option (Date, Folder, Recent or All photo) by selecting the photo icon and using UP and DOWN button to scroll through the options listed.



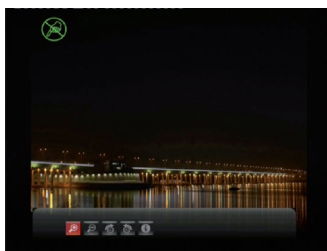
3.3.1 Photo Playback Control

Button	Function
PREV / NEXT	View the previous or next photo.
LEFT / RIGHT	Rotate a photo in any angle.
OPTION	Hide or display the Photo toolbar during playback.
STOP	Stop playback.
ZOOM	Zoom in and out the photo



### 3.3.2 Photo Playback Options

During photo playback, press OPTION button. The photo toolbar opens at the bottom of the screen.



The photo toolbar has several command icons to customize the way you play photo. The functions from left to right are zoom in, zoom out, rotate picture, info.

### 3.3.3 Quick-Search

You can search for a media file by filter current folder to locate the specific media file. Press SEARCH button while browsing photo files in the photo library.



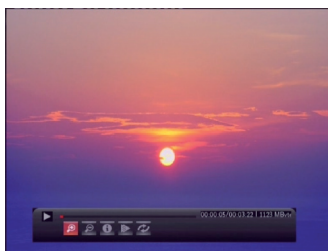
## 3.4 Movie Playback

Enter into movie interface, only supported image files and folder will be displayed. This player supports AVI, MKV, MOV, MPG files. You can navigate using a filter option (Date, Folder, Recent, Playlist, or All movies) by selecting the photo icon and using UP and DOWN button to scroll through the options listed.



### 3.4.1 Movie Playback Control

Button	Function
PLAY/PAUSE	Begin/Pause playback.
PREV / NEXT	View the previous or next file/chapter.
FR/FF	Fast rewind or fast forward. Press repeatedly to select the speed
OPTION	Hide or display the Movie toolbar during playback.
STOP	Stop playback.
VOL+/-	Press to increase/decrease the volume.



During movie playback, press OPTION button. The photo toolbar opens at the bottom of the screen.

The movie toolbar has several command icons to customize the way you play photo. The functions from left to right are zoom in, zoom out, repeat, subtitle, info, audio, dvd.

### 3.4.3 Quick-Search



You can search for a media file by filter current folder to locate the specific media file. Press SEARCH button while browsing movie files in the movie library.

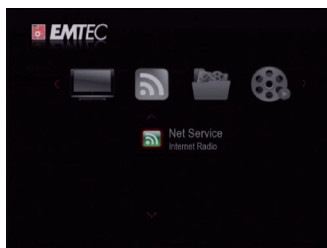
## 3.5 All Files

The «all files» allows you to browse and play music, photo and movie files stored on an internal HDD, external USB device, and Network.



### 3.6 Net Service

This player integrates the SHOUTcast free Internet radio function. Select the Net Service icon and press UP/DOWN to enter into internet radio.



#### Note:

Make sure the player is connected properly to a LAN or WLAN with Internet access, please refer to '3.1.6 Changing Network Settings' for more details;  
 When you enter the Digital Radio menu at the first time, it will take several seconds to download data from the Internet, please be patient to wait;  
 For more about SHOUTcast, please refer to the website: [www.shoutcast.com](http://www.shoutcast.com)

The following buttons can be used under this menu.

Button	Function
UP / DOWN	Move cursor up / down to select station, channel, and genre.
PREV / NEXT	Page up / down.
ENTER	Confirm and enter the selected menu.
OPTION	Add / delete a station to / from Favorite while it is highlighted.
PLAY	Begin playback after a channel has been selected.
STOP	Stop playback.
RETURN	Return to the previous menu.

#### Station

All downloaded stations will be listed under this menu.

#### Genre

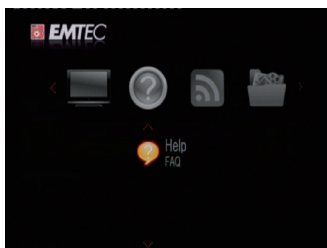
You can search for stations by genre (pop, rock, jazz, etc.) under this menu.

#### Favorite

Your favorite stations can be kept under this menu.

### 3.7 Help Function

In this menu, you can get helpful information about this product and answers about frequently asked questions (FAQ).



### 3.8 DTV Menu (S800H/S850H)



In this menu, you can watch and record Digital Terrestrial TV programs, or have the time shift function. To enter the DVB-T TV mode, select the DTV icon on the main menu.

#### 3.8.1 Watch DVB-T

The following are some functional buttons on the remote control available when watching Digital TV programs.

Name	Function
OK	Press to view the program list menu.
up / down	Press to switch channels. (Channels cannot be switched in the recording mode.)
numeric buttons	Press to input channel numbers. Press the enter button to confirm.
record	Press to start recording the current TV program.
time shift	Press to activate the time shift function.
subtitle	Press to activate the subtitle list menu if available.
green	Press to activate the EPG menu if available.
yellow	Press to activate the Teletext menu if available.
zoom	Press to zoom out the image.

#### Program List Menu

Press the enter button when watching DVB-T TV programs, and the program list menu where you can see the program number and name will be displayed.



Press the up / down button to select channels, and press the enter button to confirm.

#### Info Bar

While switching channels by the up / down button, an info bar will be displayed to show the channel information.

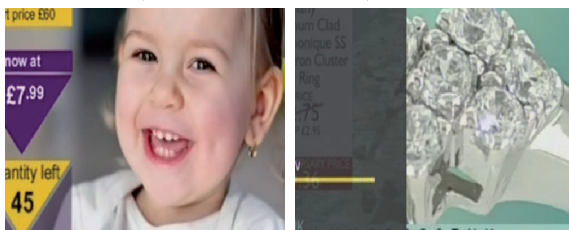


There're 4 strings displayed on the bar. Taking the info bar in the above photo for example:



### 3.8.1.2 DVB-T Program Recording

Press the REC button to start the recording: recorded files are automatically stored in a folder named REC by default.



S850H:

This product allows you to watch other programs while a recording is running. When a recording is running, press the ENTER button: you can access the program list and then use the UP/DOWN buttons to select the channel.

### 3.8.1.3 Time shifting

Time shift function allows you to pause live TV and resume the program from the point you left it. While paused, the program is recorded on the internal HDD as long as the space is available. Press the TIME SHIFT button to activate the time shift function. Press the PLAY button to resume the program. Time shift mode remains active until you press the STOP button.



### 3.8.2 AV INPUT Menu

In this menu, you can watch and record audio-visual signal from the A/V IN jack on the rear panel of the unit, or have the time shift function.

Select the A/V Input icon on the main interface to enter this menu.

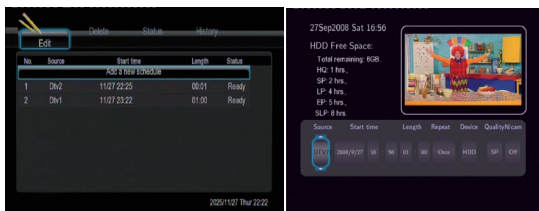
Name	Function
Record	Press to start recording the current TV program.
Time shift	Press to activate the time shift function.
Zoom	Press to zoom out the image.

### 3.8.3 Schedule Recording Menu

The Schedule Recording menu allows you to create, edit and delete recording schedules and view all schedule status and history.

#### Create a New Schedule

Press the left / right button on the remote control to select the Edit tab from the menu bar. Select Add a New Schedule and press the setting button. The schedule setting screen appears.



Use the left / right button on the remote control to move between fields and press the up / down button to adjust each setting.

Source	Select the video source or TV channels for the recording.
Start Time	Enter the date and time of the recording.
Length	Enter the length of the recording
Repeat	Select how often you want the schedule to record. Choose from Once, Everyday, Mon-Fri, Mon-Sat or for an individual day of the week.
Quality	Select the recording quality (only in source AV/IN). Choose from HQ, SLP, EP, LP and SP. The higher the quality, the more space required on the hard drive. See HDD Free Space on the left of the screen for details of how long you can record for using each setting.
Preview	This small preview window will show the current program of the selected channel.

### Editing Schedule

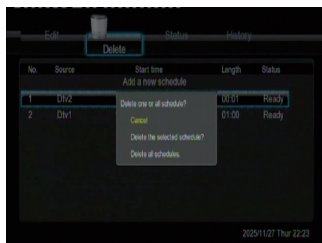
Press the left / right button on the remote control to select the Edit tab from the menu bar.



Select the schedule you want to edit from the list and press the enter button. The schedule setting screen appears. Modify the schedule as described in '3.8.3 Creating a New Schedule'.

### Delete Schedule

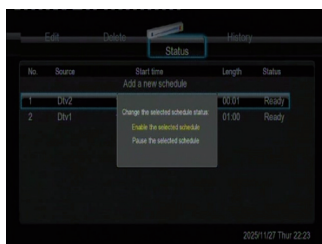
Press the left / right button on the remote control to select the Delete tab from the menu bar. Select the schedule you want to delete and press the enter button. A confirmation message appears.



Select CANCEL, Delete the selected schedule, or Delete all schedules. Press the enter button to confirm.

### Viewing Schedule Status

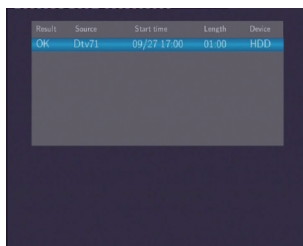
Press the left / right button on the remote control to select the Status tab from the menu bar. The schedule list is displayed. Select a schedule and press the enter button.



Select Enable the selected schedule or Pause the selected schedule. Press the enter button to confirm.

## Viewing Recording History

Press the left / right button on the remote control to select the History tab from the menu bar. Here you can view a complete history of all recordings that were set.



The screenshot shows a dark-themed menu with a table of recording history. The table has five columns: Result, Source, Start time, Length, and Device. A single entry is visible, highlighted in blue. Below the table is a large, empty rectangular area.

Result	Source	Start time	Length	Device
OK	Dtv71	09/27 17:00	01:00	HDD



## 4. Web Server & BitTorrent

### 4.1 Web Server (unicgi)

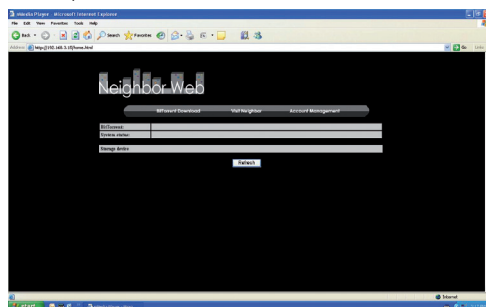
A Web server called 'Neighbor Web' has been integrated into the player.

Connect the player to your home network (LAN or WLAN).

Get the IP address of the player under SETUP -> NETWORK menu.

Type the IP address (e.g., 192.168.3.15) in the address bar of Internet Explorer on your PC.

Then you can access the Web server on your PC.

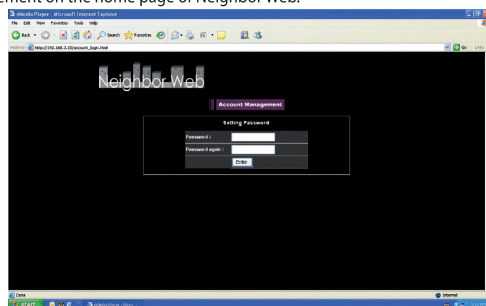


**Note:**

Please refer to Extension Info in chapter '3.1.7 Changing System Settings', and make sure all related packages 'btpd', 'samba', and 'unicgi' are installed and run properly in advance.

### 4.2 Account Management

Click Account Management on the home page of Neighbor Web.



This page allows you to set a password for accessing Neighbor Web.

**Note:**

Password will become effective when Login Control is turned on. (Please refer to Login Control in chapter '3.1.7 Changing System Settings' for more details)

The default user name is 'admin', and the default password is '123'.

When login control is turned off, and then turned on again, the password will be restored to default.

When login control is turned off, this menu is not able to be accessed.

### 4.3 Visit Neighbor (samba)

Click Visit Neighbor on the home page of Neighbor Web.

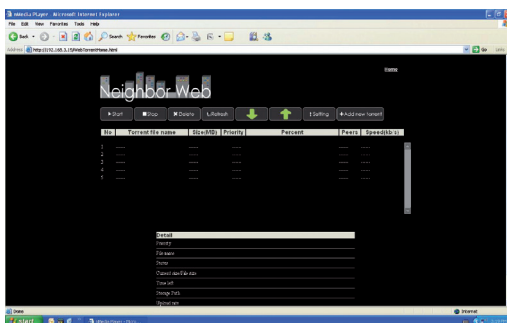
Then you will be able to browse, edit, and copy files to / from the local HDD of the player.

#### 4.4 BitTorrent Download (btpd)

BitTorrent is a peer-to-peer file sharing protocol used for distributing large amounts of data on the Internet. A BitTorrent utility (btpd - BitTorrent Protocol Daemon) has been integrated into the player (Please refer to Extension Info in chapter '3.1.7 Changing System Settings' for more details about installing and uninstalling btpd).

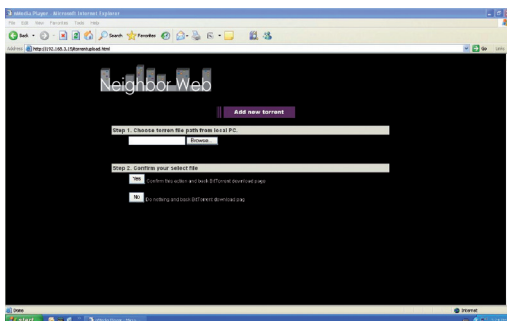
The BitTorrent client btpd is running in daemon (a process running in the background) mode and you can manipulate the process via the Web server.

Click BitTorrent Download on the home page of Neighbor Web, then you will enter the BitTorrent Download page.



#### 4.4.1 Add new torrent

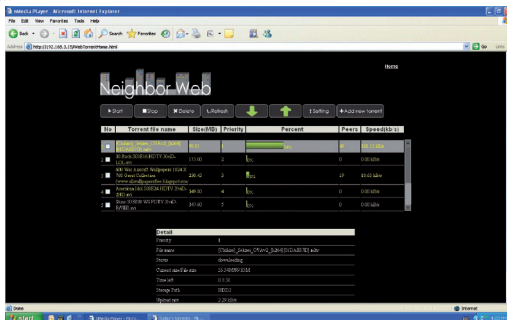
Click Add new torrent on the BitTorrent Download page.



Click **Browse** to upload a torrent file, and click **Yes** to confirm.

#### 4.4.2 Managing the downloads

The BitTorrent Download page also allows you to start, stop, delete torrents, and set priorities for torrents, as well as view the status of current torrents.



Click Start to begin download.

Click Stop to stop download.

Click Delete to delete the selected torrent.

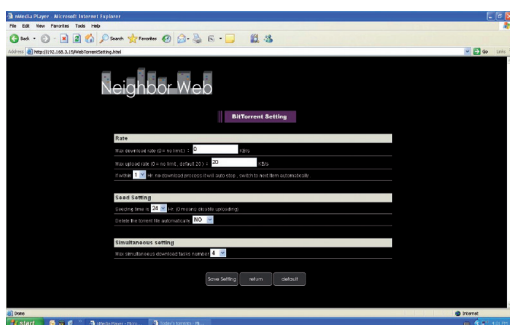
Click Refresh to refresh the current status.

Click Down arrow to decrease the priority for the selected torrent.

Click Up arrow to increase the priority for the selected torrent.

#### 4.4.3 Settings

Click Setting on the BitTorrent Download page to enter the BitTorrent Setting page.





















In the BitTorrent Setting page, you can configure the following settings.

- Set the maximum download rate.
- Set the maximum upload rate.
- Set the idle hours to start the next download automatically.
- Set the seeding hours.
- Set to delete the finished torrent files automatically or not.
- Set the maximum number of simultaneous download tasks.

## 5. Media Library

Thanks to a powerful search engine, the library menu allows you to search and browse multimedia files stored on an internal HDD or external USB HOST device in most easy ways.

### Media Library Categories

Media Type	Icon	Category	Description
Music		All Music	Select to list all the music files in the library
		Artist	Select to search for music files by artist
		Genre	Select to search for music files by genre
		Album	Select to search for music files by album
		Date	Select to search for music files by creation or modified date
		Folder	Select to search for music files in file folder
		Recent	Select to search for music files that have been played recently
		Playlist	Select to search for music files by playlist
Photo		All Photo	Select to list all the photo files in the library
		Date	Select to search for photo files by creation or modified date
		Folder	Select to search for photo files in file folder
		Recent	Select to search for photo files that have been played recently
		Playlist	Select to search for photo files by playlist
Movie		All Movies	Select to list all the movie files in the library
		Date	Select to search for movie files by creation or modified date
		Folder	Select to search for movie files in file folder
		Recent	Select to search for movie files that have been played recently
		Playlist	Select to search for movie files by playlist

## 6. Upgrading the Firmware

The firmware is the operating system (OS) installed on the device. Firmware upgrades can bring new features, improvements and bug fixes.

Please refer to System Update in chapter '3.1.7 Changing System Settings' for more details.

## 7. Appendixes

### 7.1 Specifications

#### I/O INTERFACES SUPPORTED:

3.5" SATA HDD  
 USB 2.0 HOST port x 2 (compatible to USB 1.1)  
 USB Device port  
 Composite (CVBS) A/V jack  
 AV IN jack  
 Component Y/Pb/Pr jack  
 SCART - TV socket  
 HDMI V1.3 interface  
 S/PDIF optical jack  
 ANT. / RF IN and OUT socket (S800H/S850H)  
 DC-IN 12V

#### FILE SYSTEM SUPPORTED:

FAT32/NTFS

#### CONTENT FORMATS SUPPORTED:

AVI/MKV/TS/MPG/MP4/MOV/VOB/ISO/IFO/DAT/WMV/RM/RMVB, resolution up to 720p/1080i/1080p  
 MP3/OGG/WMA/WAV/FLAC  
 HD JPEG/BMP

#### VIDEO CODECS SUPPORTED:

MPEG-1  
 HD MPEG-2  
 HD MPEG-4 SP/ASP/AVC(H.264)  
 WMV9(VC-1)  
 RealNetworks (RM/RMVB) 8/9/10, up to 720p

#### AUDIO CODECS SUPPORTED:

MP2/3, OGG Vorbis, WMA Standard (DRM, and Advanced Profile not supported), PCM, LPCM, RA

#### VIDEO RECORDING FROMAT

DTV Recording: TS  
 AV IN Recording: MPG(MPEG2,MP2)

#### SUBTITLE FORMATS SUPPORTED:

SRT, SMI, SSA,SUB, IDX+SUB

#### NETWORK FEATURES

10/100Mbps Auto-Negotiation Ethernet  
 802.11b/g/n WLAN, up to 300Mbps (supported by optional WLAN USB Adapter)

#### Note:

The specifications and design of this product are subject to change without notice.

### 7.2 Frequently Asked Questions

Question 1. When I try to disconnect the USB device, I keep on getting «The device 'Generic volume' cannot be stopped right now. Try stopping the device again later.» message, what should I do?

Answer: Close any program that might be accessing data on the player, including WindowsÆ Explorer. If it does not work, close all programs and wait for another 20 seconds, then try the green arrow icon again. If it still does not work, you should shut down the player and disconnect the USB cable.

Question 2. I find new file names and folder names that I never created before or they have strange gibberish names.

Answer: Most likely, the player's file allocation table (FAT) has been corrupted. This might be due to the player shutting down (due to low battery power) while reading or writing to your computer by the USB connection. Windows and Macintosh often write extra files to the hard disk such as finder.def or System volume info. These are normal and will not do any harm to the player.

Question 3. I used my player to transfer files back and forth between different computers. Will defragmenting the player hard disk do any harm to it?

Answer: Defragmenting the player hard disk may be useful after having transferred many files to and from the player. It is never harmful to use the defragment on the player. Make sure no other programs are running while using the Windows® defragment utility. Make sure you have connected the player with the external power adapter during this procedure.

Question 4. My files have disappeared from the player.

Answer: Make sure that you browse your files via the correct browser mode which means correct filtered views such as Photos, Music, or Movies.

Question 5. During power on, why does the TV will have a short flashing, blue screen or screensaver?

Answer: This is normal, when the system initializes, it will setup the corresponding parameters so it can output the correct video signal to the TV, during the initializing time, the TV will receive incorrect signals or the signals will not be stable and will cause the TV screen to flash, some TV's will treat this as no signal, and will display a blue screen or screensaver.

Question 6. Why when I switch to Y/Pb/Pr 480p, 576p, 720p, 1080i, and 1080p, does the TV screen display an unwatchable picture?

Answer: Please check if your TV supports Y/Pb/Pr 480p, 576p, 720p, 1080i, and 1080p output, if your TV does not support, please use the A/V signal display instead, press the TV SYSTEM button on the remote control, then switch the TV's video input to NTSC or PAL.

Question 7. Why is there no sound on movie or music playback when using Y/Pb/Pr component output?

Answer: Y/Pb/Pr output is a video output only, and does not include sound signals. When using Y/Pb/Pr output, please plug the A/V OUT or the S/PDIF jack to output sound.

Question 8. I cannot get SSID name, the screen always displays: 'Can't get any SSID!'

Answer: When the WLAN USB Adapter is connected to the player, it needs some time to get initialized. Please wait for about 1~2 minutes and try refreshing the SSID list again.

Question 9. I cannot see files shared on my computer via Browser->Network menu.

Answer: Please check following items:

- 1) Connect the player to network and obtain an IP address first;
- 2) Please enable NetBIOS of TCP/IP on computer;
- 3) Please check your PC's firewall settings;
- 4) Please enable your PC's 'Guest' account;
- 5) Please share the folders which you wish to browse on your PC, and make sure that 'Everyone' or 'Guest' has the right to access.

Question 10. I configured everything correctly, but still cannot get the wireless network or UPnP function to work.

Answer: Are you using a firewall such as Norton Internet Security, McAfee Personal Firewall, Zone Alarm, etc. or even the built-in firewall of Windows XP? (Don't forget that Service Pack 2 for Windows XP automatically upgrades your firewall and turn it on by default)

If you have a firewall, it may need to be configured or have exceptions created to allow you to see and communicate with the player on the network. To test if your firewall is preventing network communication (including PING and access shared folders), try disabling it to see if you can connect. If you can connect with the firewall disabled, you may need to add the player to the 'Trusted' list or configure the firewall for local intranet access. Worst-case, disable your firewall long enough to use the player, then enable it again when done.

Question 11. I am using the 802.11n Wi-Fi dongle with an 802.11n wireless router, why the speed is still 802.11g 54Mbps rather than 300Mbps?

Answer: The IEEE 802.11n Draft standard prohibits using high throughput with WEP or TKIP as the unicast cipher. If you use these encryption methods (e.g. WEP, WPA-TKIP), your data rate will drop to 54 Mbps. You may contact the Access Point or router manufacturer to download the latest firmware, or try other encryption methods (WPA2-AES or WPA2-TKIP), or choose to configure an unsecured profile, but this option is not recommended.

Question 12. Why couldn't the player find the hard disc?

Answer: Make sure the firmware is installed correctly, and no system partitions on the HDD were deleted. If hard disc failure occurs, please backup your data and reinstall the firmware.

Question 13. Some functions like recording, time shift etc. do not work. What should I do?

Answer: If you find some functions do not work properly on the player, please change system settings to the default (Refer to 3.1.7 for changing system settings).

## 8. Copyrights and Trademarks

### Copyrights

All rights reserved. No part of this manual may be reproduced, or transmitted in any form or by any means, whether by electronically or mechanically, without the express written permission from the copyright holder.

Copyrighted materials, such as software, music files, or movies, are protected by local law, and may not be illegally copied or used without permission from the copyright owner.

### Trademarks

Microsoft and Windows are registered trademarks of Microsoft Corporation.

All other trademarks are property of their respective holders.



Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS 2.0 + Digital Out are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.



Manufactured under license from Dolby Laboratories.

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

## 9. Warranty

What your warranty does not cover:

- Acts of nature, such as fire, static discharge.
- Damage from unauthorized repair, alteration or accident.
- Damage from misuse or neglect.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Loss of customer's software, firmware, information, or memory data.
- Improper handling or installation.

## 10. License information

This product contains Free Software which is licensed under the GNU General Public License, Version 2 (GPL). You will find hereinafter a copy of the GPL license text.

We offer, valid for at least 3 years, to send you the source code of the GPL software. Please contact us at [Dexxon Data Media](mailto:gpsourcecodes@dexxon.eu) [gpsourcecodes@dexxon.eu](mailto:gpsourcecodes@dexxon.eu). We will charge a fee for the physical act of transferring a copy.

### GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The «Program», below, refers to any such program or work, and a «work based on the Program» means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation

is included without limitation in the term «modification».) Each licensee is addressed as «you».

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program. You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such

interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program. In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
  - a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
  - b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
  - c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.
6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to



make thoroughly clear what is believed to be a consequence of the rest of this License.

8.If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9.The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and «any later version», you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10.If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally. NO WARRANTY

11.BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM «AS IS» WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12.IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

